

WHAT IS CLAIMED IS:

1. A recording system for directly connecting an image supply device and a recording device via a general interface, transmitting image data to the recording device from the image supply device, and recording the data,

the recording system, comprising:

assignment means for establishing a communication procedure by using applications installed into the recording device and the image supply device, and assigning each of a plurality of functions to either the image supply device or the recording device, the functions serving as the recording system; and

record control means for transferring data and a command between the functions assigned to the image supply device and the recording device by said assignment means, and performing recording operation by using the recording device based on image data supplied from the image supply device.

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2. The system according to claim 1, wherein the recording device is set as a host, the image supply device is set as a slave, and said assignment means is implemented by the recording device in the general interface.

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3. The system according to claim 1, wherein the recording device is set as a host, the image supply device is set as a slave, and said assignment means is implemented by the image supply device in the general  
5 interface.

4. The system according to claim 1, wherein the plurality of functions include at least an operation control function including a user interface, a storage  
10 control function for managing an image file, and a print control function for controlling a printing operation.

5. The system according to claim 1, wherein the image  
15 supply device and the recording device can be connected to each other via a plurality of general interfaces, and the image supply device and the recording device have a protocol specific to each of the general  
interfaces.

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6. The system according to claim 5, wherein said assignment means determines a function assigned to each of the image supply device and the recording device according to the connected general interface.

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7. The system according to claim 1, wherein the plurality of functions include at least an image format

support, layout printing, date printing, file name printing, image correction, size-fixed print, image clipping, and print job format support function.

- 5 8. A controlling method of a recording system for directly connecting an image supply device and a recording device via a general interface, transmitting image data to the recording device from the image supply device, and recording the data,
- 10 the method comprising:
- a step of establishing a communication procedure by using applications installed in the recording device and the image supply device;
- an assignment step of assigning each of a
- 15 plurality of functions to either the image supply device or the recording device after the communication procedure has been established, the functions serving as the recording system; and
- a record controlling step of transferring data and
- 20 a command between the functions assigned to the image supply device and the recording device in said assignment step and performing recording by using the recording device based on image data supplied from the image supply device.

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9. The method according to claim 8, wherein the recording device is set as a host, the image supply

device is set as a slave, and said assignment step is performed by the recording device in the general interface.

5 10. The method according to claim 8, wherein the recording device is set as a host, the image supply device is set as a slave, and said assignment step is performed by the image supply device in the general interface.

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11. The method according to claim 8, wherein the plurality of functions include at least an operation controlling function including a user interface, a storage controlling function for managing an image file,  
15 and a record controlling function for controlling a recording operation.

12. The method according to claim 8, wherein the image supply device and the recording device can be connected  
20 to each other via a plurality of general interfaces, and the image supply device and the recording device have a protocol specific to each of the general interfaces.

25 13. The method according to claim 12, wherein in said assignment step, a function assigned to either the

image supply device or the recording device is determined according to the connected general interface.

14. The method according to claim 8, wherein the plurality of functions include at least an image format support, layout printing, date printing, file name printing, image correction, size-fixed print, image clipping, and print job format support function.

15. A recording system for directly connecting an image supply device and a recording device via a plurality of general interfaces, transmitting image data to the recording device from the image supply device, and recording the data,

the recording system comprising:

assignment means for establishing a communication procedure by using applications installed into the recording device and the image supply device and assigning each of a plurality of functions to either the image supply device or the recording device according to the connected general interfaces, the functions serving as the recording system; and

record control means for transferring data and a command between the functions assigned to the image supply device and the recording device by said assignment means and performing recording by using the

recording device based on image data supplied from the image supply device.

16. A recording system for directly connecting an  
5 image supply device and a recording device via a general interface, transmitting image data to the recording device from the image supply device, and recording the data,

the recording system comprising:

10 acquiring means for establishing a communication procedure by using applications installed in the recording device and the image supply device and acquiring information about functions of the recording device and the image supply device;

15 assignment means for assigning each of operation controlling functions including a user interface, a storage controlling function for managing an image file, and a record controlling function for controlling a recording operation to either the image supply device  
20 or the recording device based on the function information acquired by said acquiring means; and

record control means for transferring data and a command between the functions assigned to the image supply device and the recording device by said  
25 assignment means and performing recording operation by using the recording device based on image data supplied from the image supply device.

17. A recording device which is directly connected to  
an image supply device via a general interface,  
receives image data from the image supply device, and  
5 records the data,

the recording device comprising:

acquiring means for establishing a communication  
procedure between the image supply device and the  
acquiring means and acquiring information about a  
10 function of the image supply device;

assignment means for assigning each of operation  
controlling functions including a user interface and a  
storage controlling function for managing an image file  
to either the image supply device or the recording  
15 device based on the function acquired by said acquiring  
means and the information about a function of the  
recording device; and

recording control means for transferring data and  
a command by using the functions assigned to the image  
20 supply device and the recording device by said  
assignment means and performing recording operation  
based on partial image data supplied from the image  
supply device.

25 18. An image supply device which is directly connected  
to a recording device via a general interface,

transmits image data to the recording device, and  
causes the recording device to record the data,

the device comprising:

acquiring means for establishing a communication  
5 procedure between the recording device and the image  
supply device and acquiring information about a  
function of the recording device;

assignment means for assigning each of operation  
controlling functions including a user interface, a  
10 storage controlling function for managing an image file,  
and a record controlling function for controlling a  
recording operation to either the recording device or  
the image supply device based on the information of  
function acquired by said acquiring means and the  
15 information about a function of the image supply  
device; and

recording control means for transferring data and  
a command by using the functions assigned to the  
recording device and the image supply device by said  
20 assignment means and causing the recording device to  
perform recording.